# **Section D**



# **COUNTY OF KINGS**

**Pedestrian Signals** 

**Transition Plan** 

February 2016



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# **NAVIGATION & LEGEND**

### **NAVIGATION**

1 2 3 4 5 6	7 (	8 9	10 11 12	13	14
County of Kings Access Compliance S	urvey Repor	t - Public Ri	ghts-of-Way (Pedestrian	Signals	) FY 16-17
Year to be Completed Survey Street Name		Cross St	reet /		Priority
FY 16-17 BERNARD DR		HIGHV	VAY 41		<u> </u>
Orientation Existing Access Barrier and Proposed Solution	Codes/ Miti	gation Info	Measurements		
Clear Floor Space  **As-Built Description:** Slope(s) of the floor or ground surface at the pedestrian signal device exceed/1:48/(2%) in any direction.  **As-is Measurement:** Modify or repave the ground surface as necess to provide slope(s) not exceeding the required 1:48 (2%) maximum in any direction.  **Additional Items:** Provide 30"x48" level 2% max clear space at b of signal device. Provide 2" wide color coding wide dark borders located directly above conbutton.	pase with	R404.2 4E.08(04.A) 4.3.7 305.2 11B-305.2	Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope Button Height Button Reach Button Pressure Closed Fist Operation Visual Contrast Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Directional Information Within 5 ft from curb 10 ft minimum separation	(y/n)	Yes Yes Yes 2.8 3.4 38.5 0 2 1 Yes Yes No No Speech Message Yes Not Tacile Yes Yes >10ft

**Locator Number:** Corresponds to the unique database record (one locator number per record).

Year to be Completed: Expected fiscal year that the barrier identified is to be addressed and repaired into compliance using County's Road Fund. (Also shown in the top-right header)

Orientation: Corresponds to the specific corner/curb ramp in any given intersection, unique to each corner:

- NW, SW, SE, and NE are the most commonly used directions;

- NNE, ENE, ESE, SSE, SSW, WSW, WNW, and NNW identify individual pedestrian signal system in situations involving multiple signal systems at one corner; See image below:

- I-NW, I-NE, I-SW, I-SE, etc, identify pedestrian signal systems located on medians and refuge islands.

**Survey Street:** 4. Arterial/Primary street name.

Specific Item: Category of accessible feature in which the barrier belongs. 5.

As-Built Description: Description of as-built barrier based on applicable accessibility codes. 6.

7. As-is Measurement: Existing condition/dimension featured on the signal system measured as the most severe barrier on the particular signal.

8. Proposed Solution: Description of steps necessary to remove barrier and, if applicable, an interim solution or notes.

Codes / Info: - PCODE: Specifies the relevant SSA database code. Database code plus suffix:

- ADAPROW: Guidelines to enforce Federal accessibility standards in the public rights-of-way.

- CBC 2013: The state's adoption of the National Americans with Disability Act.

- ADA-1991/ADA 2010: The Federal Standard for accessibility adopted by the Department of Justice.

- MUTCD The FHWA standards for traffic signs, road surface markings, and signals

10. Cross Street: Cross/intersecting street name.

11. Unit Cost: Estimated cost specific solution per one unit. (The final cost of barrier removal may exceed this estimate based on the year of mitigation, design approach and chosen method of mitigation)

Features of the pedestrian signal system measured to determine accessibility. 12. Ped. Signal Features: 13. Measurements:

Existing condition/dimension determined for each pedestrian signal system.

- (in) measurement in inches - (%) measurement in percentage grade

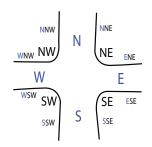
- BOLD text indicate non-compliant dimensions.

- Normal text indicate compliant dimensions

Assigned priority for scheduling repairs based on a scale of 1 to 5, with 1 being the

highest priority and 5 being the lowest priority. Priority is based on the severity of repairing the feature in question as well as its geographic location in regards to the

feature's expected frequency of use by pedestrians.



14. Priority #:

## **LEGEND ABBREVIATIONS**

ADA	Americans with Disabilities Act	MoM	Method of mitigation
ADAAG	ADA Accessibility Guidelines	MP	Master priority
ADACO	ADA-Coordinator	MRR	Men's restroom
AFF	Above finished floor	N	North
C.T.P.	Contact third party	N.A.R.	No action required
CA	State of California	NE	Northeast
CDD	Community Development Director	NT	Non-typical
C.L.	Center line	NW	Northwest
CMGR	City Manager	NWn	Northwest: North side
CP	Chief of Police	NWs	Northwest: South side
CSAS	CA State Accessibility Standards	O.C.	On center
D.A.	Designated accessible	O/R	Official responsible
Dep.	Deputy	PAR	Public Access Route
Dept. Rep	Department representative	P.A.	Physical alteration
DF	Drinking fountain	P.M.	Program modification
DH	Department Head	POT	Path of travel
Dir.	Director	PROW	Public Right of Way
E	East	PTD	Paper towel dispenser
E.D.	Executive Director	PWD	Public Works Director
E.F.	Equivalent facilitation	Qty	Quantity
F-B-F	Facility-Building-Floor	REF	Reference
FC	Fire Chief	S	South
FD	Finance Director	SCD	Seat cover dispenser
Fig.	Figure	SD	Soap dispenser
FM&O	Facilities, Maintenance & Operations	sec.	Second
FND	Feminine napkin dispenser	Sec.	Section
FTD	Feminine tampon dispenser	SE	Southeast
Gov.	Government	SF	Square foot
HQ	Headquarters	SW	Southwest
JOB	per one job (lump sum)	TBD	To be determined
Lab	Laboratory	up	Ramp or stair direction up
Lav	Lavatory	W	West
lbs.	Pounds	WC	Water Closet
LF	Linear foot	WRR	Women's Restroom
MOD	Marala wai wati a wasan at		

MOD

Modernization project



# **COST SUMMARY**

\$21,100.00

ar to be	Completed: TBD		\$21,100.00
	Intersection:	Orientation:	
	HANFORD ARMONA RD and C ST		\$2,050.00
	5341	SE	\$2,050.00
	BERNARD DR and HIGHWAY 41		\$4,100.00
	5345	NE	\$2,050.00
	5344	NW	\$2,050.00
	HANFORD ARMONA RD and DAN	DR	\$2,650.00
	5338	SW	\$2,650.00
	14TH AVE and FRONT ST		\$4,100.00
	5342	NE	\$2,050.00
	5343	NW	\$2,050.00
	14TH AVE and PIMO ST		\$4,100.00
	5336	SW	\$4,100.00
	HANFORD ARMONA RD and DAN	DR	\$2,050.00
	5339	NW	\$2,050.00
	HANFORD ARMONA RD and CST		\$2,050.00
	5340	NE	\$2,050.00

Grand Total for Pedestrian Signals: County of Kings

Access Compliance Survey Report - Public Rights-of-Way (Pedestrian Signals)



# **SURVEY DATA**

**TBD** 

Year to be Completed **Priority Survey Street Cross Street** 

### HANFORD ARMONA RD

C

**TBD** Orientation

**Existing Access Barrier** and Proposed Solution

Codes / Mitigation Info

PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

Measurements

#### SE Pedestrian Signal

5341 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.3
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Not
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Curb Ramps at: HANFORD ARMONA RD and CST

\$2,050.00

**HANFORD ARMONA RD Total Cost for Street:** 

\$2,050.00

Codes / Mitigation Info

PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

Year to be Completed **Survey Street Cross Street Priority** 

**TBD** BERNARD DR

**HIGHWAY 41** 

Measurements

NE Pedestrian Signal

5345 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

**Existing Access Barrier** 

and Proposed Solution

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





PCODE PA03A

Unit Cost \$2050.00

ADAPROW R209.1

Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope Button Ht. Button Reach Button Diameter Button Pressure Closed Fist Operation Visual Contrast Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Directional Info	(y/n) (y/n) (%) (in) (in) (ibs) (y/n) (y/n) (y/n) (y/n) (y/n)	Yes Yes 1.0 0.1 36.5 0 2 1 Yes No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk 1.5 - 6.0 ft from curb 10 ft minimum separation	(y/n) (y/n)	Yes Yes N/A

#### NW Pedestrian Signal

5344 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.7
Clear Floor X Slope	(%)	1.1
Button Ht.	(in)	42
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	No
Visual Contrast  Contrasting Color Bands	(y/n) (y/n)	No No
Contrasting Color Bands	(y/n)	No
Contrasting Color Bands Vibrotactile Feedback	(y/n) (y/n)	No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator	(y/n) (y/n) (y/n)	No No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone	(y/n) (y/n) (y/n) (y/n) (y/n)	No No No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Directional Info	(y/n) (y/n) (y/n) (y/n) (y/n)	No No No No Not Tactile

Total Costs for Curb Ramps at: BERNARD DR and HIGHWAY 41 \$4,100.00

**Total Cost for Street: BERNARD DR** \$4,100.00

Year to be Completed **Survey Street Cross Street Priority DAN DR TBD** HANFORD ARMONA RD **Existing Access Barrier** 

Codes / Mitigation Info

PCODE PA19A

ADAPROW R404.2

ADA-1991 4.3.7

ADA-2010 305.2

CBC 2013 11B-305.2

Unit Cost \$2650.00

**SW** Clear Floor Space

5338 • As-Built Description:

Slope(s) of the floor or ground surface at the pedestrian signal device exceed 1:48 (2%) in any direction.

and Proposed Solution

- As-is Measurement: 2.6%
- · Proposed Solution:

Modify or repave the ground surface as necessary to provide slope(s) not exceeding the required 1:48 (2%) maximum in any direction.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide voice or tone audible indication of the WALK interval at the pedestrian signal device. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	2.6
Clear Floor X Slope	(%)	0.9
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes

Measurements

10 ft minimum separation

Total Costs for Curb Ramps at: HANFORD ARMONA RD and DAN DR

\$2,650.00

N/A

**Total Cost for Street: HANFORD ARMONA RD**  \$2,650.00

Year to be Completed Survey Street Cross Street Priority

TBD 14TH AVE

**FRONT ST** 

Codes / Mitigation Info

PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

CBC 2013 11B-703.7.2.7

ADAPROW R209.1

1

#### NE Pedestrian Signal

5342 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

**Existing Access Barrier** 

and Proposed Solution

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.8
Clear Floor X Slope	(%)	0.4
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Measurements

#### NW Pedestrian Signal

5343 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.8
Clear Floor X Slope	(%)	1.0
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Curb Ramps at: 14TH AVE and FRONT ST

\$4,100.00

Year to be Completed Survey Street Cross Street Priority

TBD

Orientation

### 14TH AVE

## PIMO ST

1

CW Dadastrian Cinnal

Existing Access Barrier and Proposed Solution Codes / Mitigation Info

Measurements

#### SW Pedestrian Signal

5336 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.7
Clear Floor X Slope	(%)	0.5
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

#### SW Pedestrian Signal

5337 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	0.2
Clear Floor X Slope	(%)	1.4
Button Ht.	(in)	39
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk	(y/n)	Yes
1.5 - 6.0 ft from curb	(y/n)	Yes
10 ft minimum separation		N/A

Total Costs for Curb Ramps at: 14TH AVE and PIMO ST

\$4,100.00

Total Cost for Street: 14TH AVE \$8,200.00

Year to be Completed Survey Street Cross Street Priority

TBD HANFORD ARMONA RD

#### **DAN DR**

Codes / Mitigation Info

PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

1

### NW Pedestrian Signal

5339 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

**Existing Access Barrier** 

and Proposed Solution

· Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

· Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





PCODE PA03A

MUTCD 4E.11(02)

Unit Cost \$2050.00

ADAPROW R209.1

Accessible Path	(y/n)	Yes
Clear Floor Space	(y/n)	Yes
Clear Floor Slope	(%)	1.5
Clear Floor X Slope	(%)	0.7
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter	(in)	2
Button Pressure	(lbs)	1
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Visual Contrast  Contrasting Color Bands	(y/n) (y/n)	Yes No
	,	
Contrasting Color Bands	(y/n)	No
Contrasting Color Bands Vibrotactile Feedback	(y/n) (y/n)	No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator	(y/n) (y/n) (y/n)	No No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone	(y/n) (y/n) (y/n) (y/n) (y/n)	No No No No
Contrasting Color Bands Vibrotactile Feedback Audible Walk Indicator Button Locator Tone Directional Info	(y/n) (y/n) (y/n) (y/n) (y/n)	No No No No Not Tactile

Measurements

### Total Costs for Curb Ramps at: HANFORD ARMONA RD and DAN DR

\$2,050.00

#### NE Pedestrian Signal

5340 • As-Built Description:

A crosswalk with pedestrian signal indication does not have the audible signal device integrated into the signal device.

• Proposed Solution:

Integrate the audible signal device with the pedestrian pushbutton.

Additional Items:

Provide 2" wide color coding with 1" wide dark borders located directly above control button. Provide a button locator tone.





Accessible Path Clear Floor Space Clear Floor Slope Clear Floor X Slope	(y/n) (y/n) (%) (%)	Yes Yes 0.1 0.2
Button Ht.	(in)	40
Button Reach	(in)	0
Button Diameter Button Pressure	(in) (lbs)	2
Closed Fist Operation	(y/n)	Yes
Visual Contrast	(y/n)	Yes
Contrasting Color Bands	(y/n)	No
Vibrotactile Feedback	(y/n)	No
Audible Walk Indicator	(y/n)	No
Button Locator Tone	(y/n)	No
Directional Info	(y/n)	Not Tactile
Within 5 ft from crosswalk 1.5 - 6.0 ft from curb 10 ft minimum separation	(y/n) (y/n)	Yes Yes N/A

Total Costs for Curb Ramps at: HANFORD ARMONA RD and C ST

\$2,050.00

Total Cost for Street: HANFORD ARMONA RD

\$4,100.00

Grand Total for Pedestrian Signals: County of Kings

\$21,100.00